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AMENDMENTS TO THE CLAIMS

Claims 1-12: (canceled)

13. (previously presented) An adduct comprising MgCl_2 , ethanol and a Lewis base (LB) different from water, said adduct further comprising a fusion enthalpy lower than 100 J/g, and formula $\text{MgCl}_2 \cdot (\text{EtOH})_n (\text{LB})_p$, wherein n is from 2 to 6 and p is $0 < p/(n+p) \leq 0.1$.

14. (previously presented) The adduct according to claim 13, wherein p is $0 < p/(n+p) \leq 0.0125$.

15. (previously presented) The adduct according to claim 13, wherein the Lewis base is selected from ethers, esters, compounds of formula RX_m , and combinations thereof, wherein R is a hydrocarbon group comprising from 1 to 20 carbon atoms; X is $-\text{NH}_2$, $-\text{NHR}$ or $-\text{OH}$; and m is 1 or higher.

16. (previously presented) The adduct of claim 15, wherein RX_m is selected from the group consisting of methanol, propanol, isopropanol, n-butanol, sec-butanol, tert-butanol, pentanol, 2-methyl-1-pentanol, 2-ethyl-1-hexanol, phenol, 4-methyl-1-phenol, 2,6-dimethyl-1-phenol, cyclohexanol, cyclopentanol, ethylene glycol, propylene glycol, 1,4-butanediol, glycerine, mannitol, polyvinyl-alcohol, acetonitrile, ethylenediamine, 3-picoline, triethanolamine, triethylamine, and diisopropylamine.

17. (canceled)

18. (previously presented) A catalyst component for polymerizing at least one olefin comprising a product of a reaction between a transition metal compound and the adduct according to claim 13.

19. (previously presented) The catalyst component according to claim 18, wherein the transition metal compound is selected from at least one titanium compound comprising formula $\text{Ti}(\text{OR})_n \text{X}_{y-n}$, wherein n is between 0 and y; y is a valence of titanium; X is halogen; and R is an alkyl radical